1582 AD there was a source of error in the estimate of the odd fraction of 0.25 day. rather than 0.2422 day; and by the 16 th century, the occumulated error amounted to 10 days. In 1582, Pope regny XIII ordered the so- Called Gregorian reform, omitting 10 days of that year (the day following Oct. 4 was Oct. 15) & bring calendar and

prescribing that the future intercolony day be mitted from all years divisible by 100 except those divisible by 400; thus, 1700, 1800, and 1900 were 365-day yrs, while 1600 was a leap year and For will be a leap year. England and her colonies did not adapt the Gregorian Calendar centel 1752; Russia not until 1918 this calendar - now in general use, with enough the fourth december place will amount to a full day in about 3,300 years 1582 Pape Gregory X 111 ordered 10 days De dropped from Oct 1582 Oct. 5, 1582 was renomed oct. 15 (i.e. There was no Oct. 5, 6, 7, 8, 9, 10, 11,12, 13, 014) thus losing 10 days) This procedure restored the next mas. 21). He corrected the Julian Cal by saying that the century yes divisible by 400 evenly

would not be leap yes. Thus 1600 & 2000 was & will be leap but 17,00, 1800, 1900 were not. (In England, the Julian Cal went right on. i.e. 1700 wasa leap year I (In 1752, they corrected their Cal Finned new years from mor 25 to Jan 1, that is, they adopted the Gregorian Cal. in Sept 81952) my thoughts)

1582 The Gregorian Cal was so occurate that the liferance between the Cal. and solar years is now may 26 seconds. This difference will increase by 0.53 sec every hundred years, because the Isolar year is gradually growing mar. 11. He cut 10 days out The day cefter Thu, Oct. 4, 1582 became Fri Oct 15, 1582. (note the continuity of the days of the week was maintained. Heres decreed that century yes would not be leap you unless divided by 400 evenly. days / yr and is therefore longer than

the civil solar year by 0.0003 day per yr.
The excess amounts to 3 days every 10,000 yes
(10,000)(0.0003) = 3.0 The solor varies in length (altho very slowly)
The rotation of earth in its axis is subject
to variations, some of which cannot be predicted

1582 AD Colembia P9 317 Accumulation of Surplus terme had displaced the venal equense date set in 4 th century. " viceae and ordanied that century ups had to be divisible by 400 to be lisp yps. Accepted in most Roman cattolic countries emmediately (ver)

IN Eastern Church, the Julian Calendar was retained until the 20th century By my cale from MOh 1500 there was ta quent Hot days. 12 days If Oregnion were in effect at year 1 40 (The Vernal Equeries Was 3/21 in 4 ch 1300 molins 100 no lesp 1400 no leap soo noleip L'entury. Previous 1500 noleaps 300 no leap (by this it was later maybe even 3/25) 500 no leap 12 days 600 no leap Why didn't he suppress Sit by 700 notesp 900 no leap 1000 noteap mar 21 mon 25 & Hology J. Cocreer 11 00 no lesp

1582

Thehyeor length for 6 regoriere Cal is 365 d 5h 49 m 12 sec

365.2425

31,556,952 sec.

1582

Inger than the solar year by few certains the vernal equining had fallen behind the Julian Cal. by several days:

1 In 1582, when Pape megory X 111, with the

of the Cal. there was an error of more than to days megny suppressed 10 days. Oct. 5, 1582 became Oct 15, 1582. Also: Every you divisible by 4 was a bissettile what year = 366 days. Every yn not divisitly by 4 mos 365d. Every Continy yn divisibly by 400 mas 366 d, but if not - only 365 days. Thus skipping 3 every 100 yrs. to one day in 3866 years

1582 There was still a tiny error in Caesai's Calendar. When almost 1600 years had parsed, it began to be serious. In the year 1580, with the arrival of the spring equency, one of the two dorp in the year when day and night are equal, Coeran's calendar said the date was MARCHII when it should have said MARCH II. the Julian Calendar was gaining a day every 128 eyears [(365.25-369.2422) (0128) = 0.9984dayo.] 3 and was out of step with the solar year by ten whole days. Pape Gregory XIII solved the problem. three your a row Feb was given 28 day; every fourth yn (leapyn) it got 29. Teap year is agrined in the first year of a century whose date cannot be everly devided by 400 the average length of the year is 365.2425 9n 1582 the day after Oct. 4 was Oct 15. England in 1752. Russia in 1918. Russania Atrece 1924

Dand ar 25

Ency Broth 1582 Polizal & Spain adopted gregorion Cal.

97 _ Ja.

The retrospertine correction testine him caused much confusion for many years since then Gregory XIII made the conection reles back to the NICENE Cohencil Date. If he had not insisted on this point the attenden Box eleministed the Confusion

of you omit leap yest every 128 years the Cal would be reclified so that 100,000 years would elopse before it got out of step with the solar year by even I day.